

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 05/23/2022 08:56 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123806	-1	1.27	123757	1.27
Blue	F	SSC	125000	123015	-2	2.47	123540	2.35
Blue	E	FITC	13602	13206	-3	2.24	370	13.79
Blue	D	PE	24891	24416	-2	1.63	582	10.59
Blue	B	PerCP-Cy5-5	33972	33244	-3	2.91	945	15.07
Blue	A	PE-Cy7	22865	22504	-2	4.97	469	31.28
Red	C	APC	47198	46841	-1	2.61	1617	11.54
Red	A	APC-Cy7	26454	25566	-4	3.06	725	12.13
Violet	B	V450	6737	6498	-4	3.72	453	11.90
Violet	A	V500	29317	28020	-5	3.31	958	8.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23836	2.28	563	28	N/A	N/A	Pass
Blue	F	SSC	55342	1.93	521	0	N/A	N/A	Pass
Blue	E	FITC	55	57.02	488	4	0.0428	213	Pass
Blue	D	PE	113	39.41	491	5	0.3926	313	Pass
Blue	B	PerCP-Cy5-5	149	44.19	586	7	0.0200	153	Pass
Blue	A	PE-Cy7	77	85.11	629	8	0.0216	11	Pass
Red	C	APC	338	26.48	575	3	0.0280	227	Pass
Red	A	APC-Cy7	135	34.42	552	1	0.0066	1380	Pass
Violet	B	V450	77	49.42	451	1	0.0539	2555	Pass
Violet	A	V500	113	39.45	470	1	0.0258	2488	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.73	-31.59	1.04
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.04	13.90 - 20.86	N/A	N/A	29.96	30.17	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10033

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments